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     FILE 'REGISTRY' ENTERED AT 16:27:42 ON 03 JUN 2009
L1              STRUCTURE UPLOADED
L2            0 S L1
L3           34 S L1 SSS FULL

     FILE 'HCAPLUS' ENTERED AT 16:29:19 ON 03 JUN 2009
L4           11 S L3
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=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.22       0.22

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STRUCTURE FILE UPDATES:    2 JUN 2009  HIGHEST RN 1151889-97-2
DICTIONARY FILE UPDATES:   2 JUN 2009  HIGHEST RN 1151889-97-2

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  conducting SmartSELECT searches.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\STNEXP\Queries\10580805generic2.str
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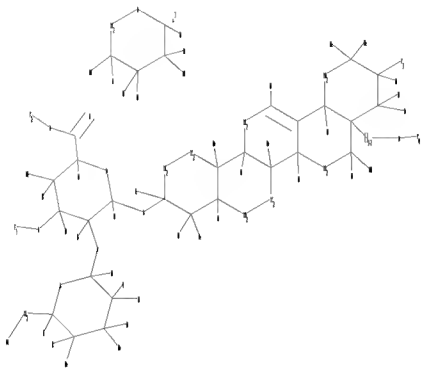

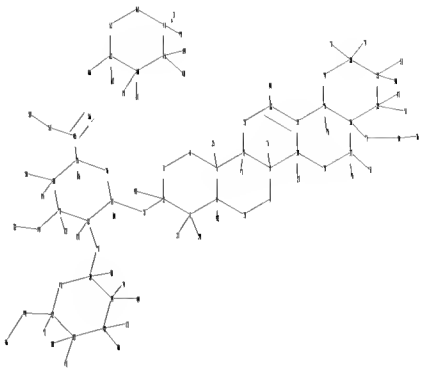

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23 24 25 26 27 28 29 30 37 44 45 46 47 48 49 50 51 53 54 56 57
59 66 67 68 69 72 73 74 76 77 78 79 80 81 82 83 84 85 86 87 88
89 90 91
92 93 94 95 96 97 98
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 31
32 33 34 35 36 38 39 40 41 42 43 60 61 62 63 64 65
chain bonds :
1-23 1-24 2-30 2-91 5-25 6-92 7-93 8-26 12-94 14-27 15-95 16-73 17-51
17-96 20-28 20-29 21-53 21-98 22-54 22-97 30-31 31-84 32-37 32-83 33-69
33-82 34-50
34-85 35-45 35-86 37-38 38-78 39-49 39-79 40-48 40-81 41-47 41-80 42-44
42-77 44-46
45-56 45-57 57-59 60-67 60-88 61-66 61-87 64-90 65-68 65-89 69-72 73-74
74-76
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13
13-14 13-15 14-18 15-16 15-19 16-17 16-22 17-18 19-20 20-21 21-22 31-32
31-36 32-33

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33-34  34-35  35-36  38-39  38-43  39-40  40-41  41-42  42-43  60-61  60-65  61-62
62-63  63-64
64-65
exact/norm bonds :
1-2  1-6  2-3  2-30  3-4  4-5  5-6  5-7  6-10  7-8  7-11  8-9  8-14  9-10  11-12
12-13  13-14  13-15  14-18  15-16  15-19  16-17  16-22  17-18  17-51  19-20  20-21
21-22  21-53
22-54  30-31  31-32  31-36  32-33  32-37  33-34  33-69  34-35  34-50  35-36  37-38
38-39  38-43  39-40
39-49  40-41  40-48  41-42  41-47  42-43  45-56  45-57  57-59  60-61  60-65  60-67
61-62  61-66
62-63  63-64  64-65  65-68  69-72  73-74  74-76
exact bonds :
1-23  1-24  2-91  5-25  6-92  7-93  8-26  12-94  14-27  15-95  16-73  17-96  20-28
20-29  21-98  22-97  31-84  32-83  33-82  34-85  35-45  35-86  38-78  39-79  40-81
41-80  42-44
42-77  44-46  60-88  61-87  64-90  65-89


G1:H,O,[*1]

G2:H,CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,Ph

G3:H,[*1]

G4:C,H

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:Atom  18:Atom  19:Atom
20:Atom  21:Atom
22:Atom  23:CLASS  24:CLASS  25:CLASS  26:CLASS  27:CLASS  28:CLASS  29:CLASS
30:CLASS  31:Atom  32:Atom
33:Atom  34:Atom  35:Atom  36:Atom  37:CLASS  38:Atom  39:Atom  40:Atom  41:Atom
42:Atom
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54:CLASS  56:CLASS  57:CLASS  59:CLASS  60:Atom  61:Atom  62:Atom  63:Atom  64:Atom
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90:CLASS  91:CLASS  92:CLASS  93:CLASS  94:CLASS  95:CLASS  96:CLASS  97:CLASS
98:CLASS



L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 16:28:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      382 TO ITERATE

100.0% PROCESSED      382 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         6468 TO     8812
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```
PROJECTED ANSWERS:                0 TO        0

L2             0 SEA SSS SAM L1

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss full
FULL SEARCH INITIATED 16:29:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     7647 TO ITERATE

100.0% PROCESSED     7647 ITERATIONS                                34 ANSWERS
SEARCH TIME: 00.00.01

L3            34 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     186.84     187.06

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FILE COVERS 1907 - 3 Jun 2009  VOL 150 ISS 23
FILE LAST UPDATED: 2 Jun 2009  (20090602/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Feb 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l3
L4            11 L3
```

=> d l4 1-11 ti abs bib hitstr

L4 ANSWER 1 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Phenolic compounds and rare polyhydroxylated triterpenoid saponins from Eryngium yuccifolium
AB Phytochem. investigation on the whole plant of Eryngium yuccifolium resulted in the isolation and identification of three phenolic compds. (1-3) and 12 polyhydroxylated triterpenoid saponins, named eryngiosides A-L (4-15), together with four known compds. kaempferol-3-O-(2,6-di-O-trans-p-coumaroyl)-β-D-glucopyranoside (16), caffeic acid (17), 21β-angeloyloxy-3β-[β-D-glucopyranosyl-(1→2)]-[β-D-xylopyranosyl-(1→3)]-β-D-glucuronopyranosyloxyolean-12-ene-15α,16α,22α,28-tetrol (18), and saniculasaponin III (19). This study reports the isolation of these compds. and their structural elucidation by extensive spectroscopic analyses and chemical degradation
AN 2008:785878 HCAPLUS <<LOGINID::20090603>>
DN 149:171225
TI Phenolic compounds and rare polyhydroxylated triterpenoid saponins from Eryngium yuccifolium
AU Zhang, Zhizhen; Li, Shiyou; Ownby, Stacy; Wang, Ping; Yuan, Wei; Zhang, Wanli; Beasley, R. Scott
CS National Center for Pharmaceutical Crops, Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University, Nacogdoches, TX, 75962-6109, USA
SO Phytochemistry (Elsevier) (2008), 69(10), 2070-2080
CODEN: PYTCAS; ISSN: 0031-9422
PB Elsevier Ltd.
DT Journal
LA English
IT 1039557-69-1P, Eryngioside F 1039557-74-8P, Eryngioside K 1039557-75-9P, Eryngioside L
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(phenolic compds. and rare polyhydroxylated triterpenoid saponins from Eryngium yuccifolium)
RN 1039557-69-1 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-16,21,28-trihydroxy-22-[[(2Z)-2-methyl-1-oxo-2-buten-1-yl]oxy]olean-12-en-3-yl O-β-D-glucopyranosyl-(1→2)-O-[β-D-xylopyranosyl-(1→3)]- (CA INDEX NAME)

L4 ANSWER 2 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Composition comprising triterpene saponins and compounds with angeloyl functional group, methods for preparing same and uses thereof
AB This invention provides a compound comprising a triterpenoidal saponin, triterpenoid, triterpenoidal compound or sapongenin, comprising at least two side groups selected from the group consisting of: angeloyl groups, tigloyl groups and senecioyl groups, wherein the side groups are attached to carbon 21, 22 or/and 28 of triterpenoidal saponin, triterpenoid, triterpenoidal compound or sapongenin backbone. This invention provides a composition for inhibiting tumor cell growth, comprising an appropriate amount of
a triterpenoidal saponin, triterpenoid, triterpenoidal compound or sapongenin, wherein the triterpenoidal saponin, triterpenoid, triterpenoidal compound or sapongenin comprises any two side groups selected from the group consisting of: angeloyl groups, tigloyl groups and senecioyl groups, wherein the side groups are attached to carbon 21, 22

or/and 28 of triterpenoidal saponin, triterpenoid, triterpenoidal compound or sapongenin backbone.

AN 2006:493929 HCAPLUS <<LOGINID::20090603>>

DN 145:1004

TI Composition comprising triterpene saponins and compounds with angeloyl functional group, methods for preparing same and uses thereof

IN Chan, Pui-Kwong; Mak, May Sung; Wang, Yun

PA USA

SO U.S. Pat. Appl. Publ., 46 pp., Cont.-in-part of U.S. Ser. No. 131,551
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 20060111310	A1	20060525	US 2005-267523	20051104
WO 2005037200	A2	20050428	WO 2004-US33359	20041008
WO 2005037200	A3	20050616		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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WO 2005063273	A1	20050714	WO 2004-US43465	20041223
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US 20050220910	A1	20051006	US 2005-906303	20050214
US 7524824	B2	20090428		
US 20050276872	A1	20051215	US 2005-117760	20050427
US 20050277601	A1	20051215	US 2005-131551	20050517
US 7262285	B2	20070828		
WO 2006029221	A2	20060316	WO 2005-US31900	20050907
WO 2006029221	A3	20070412		
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US 20060122129	A1	20060608	US 2005-289142	20051128

US 7488753 B2 20090210
WO 2006116656 A2 20061102 WO 2006-US16158 20060427
WO 2006116656 A3 20070215
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US 20060263458 A1 20061123 US 2006-412659 20060427
EP 1876896 A2 20080116 EP 2006-751723 20060427
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US 20090041877 A1 20090212 US 2008-195112 20080820
PRAI US 2003-509851P P 20031009
US 2003-532101P P 20031223
US 2004-607858P P 20040907
US 2004-613811P P 20040927
US 2004-617379P P 20041008
WO 2004-US33359 A2 20041008
WO 2004-US43465 A2 20041223
US 2005-906303 A2 20050214
US 2005-117760 A2 20050427
US 2005-675282P P 20050427
US 2005-675284P P 20050427
US 2005-131551 A2 20050517
WO 2005-US31900 A2 20050907
US 2001-944805 A2 20010831
WO 2002-IB4750 W 20020828
US 2003-471384 A2 20030904
US 2005-117745 A2 20050427
US 2005-267523 A2 20051104
US 2005-289142 A 20051128
US 2006-412659 A1 20060427
WO 2006-US16158 W 20060427
OS MARPAT 145:1004
IT 852361-60-5
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(composition comprising triterpene saponins and compds. with angeloyl functional group for treatment of cancer and other diseases)
RN 852361-60-5 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-16,28-dihydroxy-21,22-bis[[(2Z)-2-methyl-1-oxo-2-butenyl]oxy]olean-12-en-3-yl 2-O-β-D-galactopyranosyl- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Novel analgesic compounds, extracts containing same and methods of preparation
AB Various compds. are obtained from plants of the Barringtonia species which are derived from barringtoside A and barringtoside C as precursor compds.

which especially have an arabinopyranosyl substituent at the 21 position which may optionally be further substituted with benzoyl, dibenzoyl, Me butanoyl, Me butyryl or tigloyl at the 3 or 4 positions. Alternatively at the 21 position there is provided tigloyl, benzoyl or dibenzoyl substituents. Various barringtoside derivs. were obtained from aqueous exts. of B. acutangula dried bark and their analgesic efficacy was shown in rats hind paw.

AN 2005:493616 HCAPLUS <<LOGINID::20090603>>

DN 143:48023

TI Novel analgesic compounds, extracts containing same and methods of preparation

IN Quinn, Ronald; Mills, Clive

PA Griffith University, Australia; Jarlmadangah Buru Aboriginal Corporation

SO PCT Int. Appl., 103 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005051969	A1	20050609	WO 2004-AU1660	20041126
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004293125	A1	20050609	AU 2004-293125	20041126
	CA 2547311	A1	20050609	CA 2004-2547311	20041126
	EP 1687320	A1	20060809	EP 2004-797102	20041126
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	CN 1938326	A	20070328	CN 2004-80039602	20041126
	JP 2007512258	T	20070517	JP 2006-540096	20041126
	IN 2006CN01851	A	20070608	IN 2006-CN1851	20060526
	US 20070270375	A1	20071122	US 2007-580805	20070316
PRAI	AU 2003-906558	A	20031127		
	WO 2004-AU1660	W	20041126		

OS MARPAT 143:48023

IT 849637-45-2 849637-46-3 849637-47-4
849818-09-3 849818-13-9 849818-20-8
849818-23-1 849818-26-4 853306-55-5
853306-59-9 853306-60-2 853306-62-4
853308-40-4 853308-41-5 853308-42-6
853308-43-7 853308-44-8
RL: NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(novel analgesic compds., exts. containing same and methods of preparation)

RN 849637-45-2 HCAPLUS

CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-21,22-bis(benzoyloxy)-16,28-dihydroxyolean-12-en-3-yl O-β-D-galactopyranosyl-(1→2)-O-[β-D-xylopyranosyl-(1→3)]-, methyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Haemolytic acylated triterpenoid saponins from Harpullia austro-caledonica
AB Eight new acylated triterpenoid saponins were isolated from the stem bark of Harpullia austro-caledonica along with the known harpuloside (9). Their structures were established using 1D and 2D NMR and mass spectrometry as 3-O-β-D-galactopyranosyl-(1→2)-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloylbarringtogenol C (1), 3-O-α-L-rhamnopyranosyl-(1→3)-[β-D-galactopyranosyl-(1→2)]-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloyl barringtogenol C (2), 3-O-α-L-arabinofuranosyl-(1→3)-[β-D-galactopyranosyl-(1→2)]-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloylbarringtogenol C (3), 3-O-α-L-arabinofuranosyl-(1→2)-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloylprotoaescigenin (4), 3-O-α-L-arabinofuranosyl-(1→3)-[α-L-arabinofuranosyl-(1→2)]-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloyl protoaescigenin (5), 3-O-α-L-arabinofuranosyl-(1→3)-[β-D-xylopyranosyl-(1→2)]-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloylprotoaescigenin (6), 3-O-α-L-arabinofuranosyl-(1→3)-[β-D-glucopyranosyl-(1→2)]-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloylprotoaescigenin (7), 3-O-β-D-xylopyranosyl-(1→2)-β-D-glucuronopyranosyl-21β, 22α-di-O-angeloylprotoaescigenin (8). The EtOH extract of the stem bark showed in vitro cytotoxic activity against KB cells (90% at 10 μg/mL). At a concentration of 5 μg/mL, the saponin mixture showed hemoltic activity and caused 100% hemolysis of a 10% suspension of sheep erythrocytes.
AN 2005:265703 HCAPLUS <<LOGINID::20090603>>
DN 143:4146
TI Haemolytic acylated triterpenoid saponins from Harpullia austro-caledonica
AU Voutquenne, Laurence; Guinot, Pauline; Froissard, Clement; Thoison, Odile; Litaudon, Marc; Lavaud, Catherine
CS Laboratoire de Pharmacognosie, IFR 53 Biomolecules, FRE CNRS 2715, Reims, 51097, Fr.
SO Phytochemistry (Elsevier) (2005), 66(7), 825-835
CODEN: PYTCAS; ISSN: 0031-9422
PB Elsevier B.V.
DT Journal
LA English
IT 852361-60-5P
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(hemolytic acylated triterpenoid saponins from Harpullia austrocaledonica)
RN 852361-60-5 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-16,28-dihydroxy-21,22-bis[[(2Z)-2-methyl-1-oxo-2-butenyl]oxy]olean-12-en-3-yl 2-O-β-D-galactopyranosyl-(9CI) (CA INDEX NAME)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Acutangulosides A-F, monodesmosidic saponins from the bark of Barringtonia

acutangula

AB Nine triterpene saponins, acutangulosides A-F, acutanguloside D-F Me esters, and a single triterpene aglycon were isolated from a water extract of the bark of Barringtonia acutangula. Their structures were assigned on the basis of spectroscopic data.

AN 2005:128141 HCAPLUS <<LOGINID::20090603>>

DN 142:389142

TI Acutangulosides A-F, monodesmosidic saponins from the bark of Barringtonia acutangula

AU Mills, Clive; Carroll, Anthony R.; Quinn, Ronald J.

CS Natural Product Discovery, Eskitis Institute, Griffith University, Brisbane, 4111, Australia

SO Journal of Natural Products (2005), 68(3), 311-318
CODEN: JNPRDF; ISSN: 0163-3864

PB American Chemical Society

DT Journal

LA English

IT 849637-45-2, Acutanguloside D methyl ester 849637-46-3, Acutanguloside E methyl ester 849637-47-4, Acutanguloside F methyl ester 849818-06-0, Acutanguloside A 849818-09-3, Acutanguloside B 849818-13-9, Acutanguloside C 849818-20-8, Acutanguloside D 849818-23-1, Acutanguloside E 849818-26-4, Acutanguloside F
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(saponins from bark of Barringtonia acutangula)

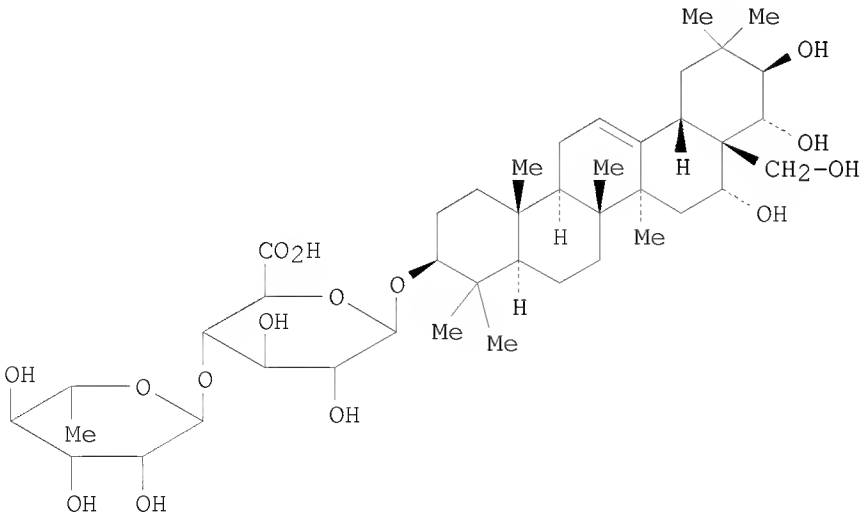
RN 849637-45-2 HCAPLUS

CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-21,22-bis(benzoyloxy)-16,28-dihydroxyolean-12-en-3-yl O-β-D-galactopyranosyl-(1→2)-O-[β-D-xylopyranosyl-(1→3)]-, methyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN

TI Acylated triterpenoid saponins from the stem bark of Foetidia africana

GI



I

AB Nine new acylated triterpenoid saponins (e.g. I) were isolated from the stem bark of Foetidia africana. They all possess barringtogenol C as the aglycon, esterified by acetic and/or isovaleric acids. The sugar chain consists of up to three units: D-glucuronic acid (GlcUA) linked to C-3 of the aglycon and substituted by D-galactose (Gal) (at GlcUA C-2) and/or L-rhamnose (Rha) (at GlcUA C-4). The structures were established by acid and alkaline hydrolysis, by NMR expts. including 1H-1H (COSY, HOHAHA, ROESY) and 1H-13C (HSQC, HMBC) spectroscopy, and by mass spectrometry (ESIMS, ESIMSn).

AN 2002:691707 HCAPLUS <<LOGINID::20090603>>
DN 137:349281

TI Acylated triterpenoid saponins from the stem bark of Foetidia africana

AU Crublet, Marie-Laure; Pouny, Isabelle; Delaude, Clement; Lavaud, Catherine
CS Laboratoire de Pharmacognosie, UMR 6013 CNRS, Reims, 51097, Fr.

SO Journal of Natural Products (2002), 65(11), 1560-1567
CODEN: JNPRDF; ISSN: 0163-3864
PB American Chemical Society
DT Journal
LA English

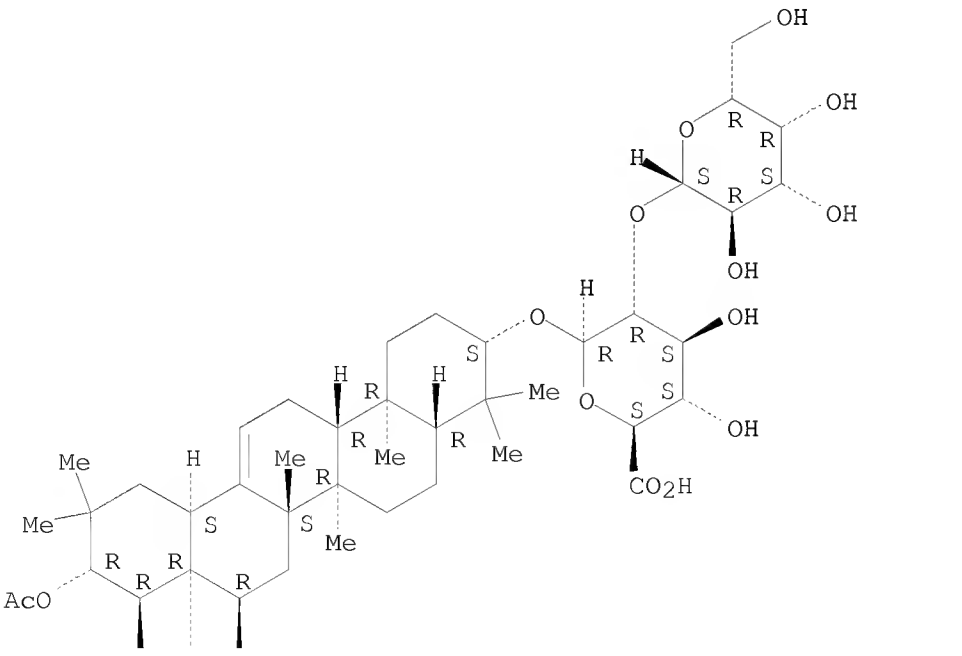
IT 474967-20-9P 474967-21-0P
RL: NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(acylated triterpenoid saponins from Foetidia africana)

RN 474967-20-9 HCAPLUS

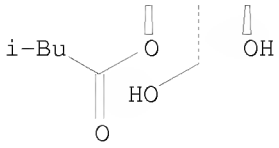
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-21-(acetyloxy)-16,28-dihydroxy-22-(3-methyl-1-oxobutoxy)olean-12-en-3-yl 2-O-β-D-galactopyranosyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

PAGE 1-A



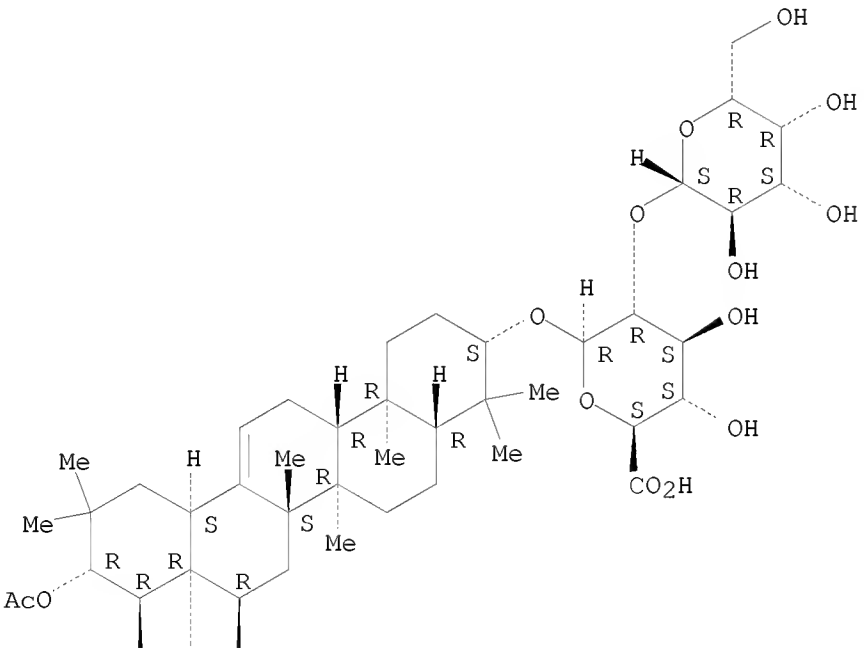
PAGE 2-A



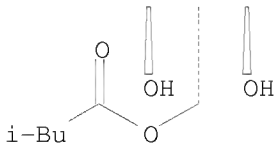
RN 474967-21-0 HCAPLUS
CN β-D-Glucopyranosiduronic acid,
(3β,16α,21β,22α)-21-(acetyloxy)-16,22-dihydroxy-28-
(3-methyl-1-oxobutoxy)olean-12-en-3-yl 2-O-β-D-galactopyranosyl-
(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

PAGE 1-A



PAGE 2-A



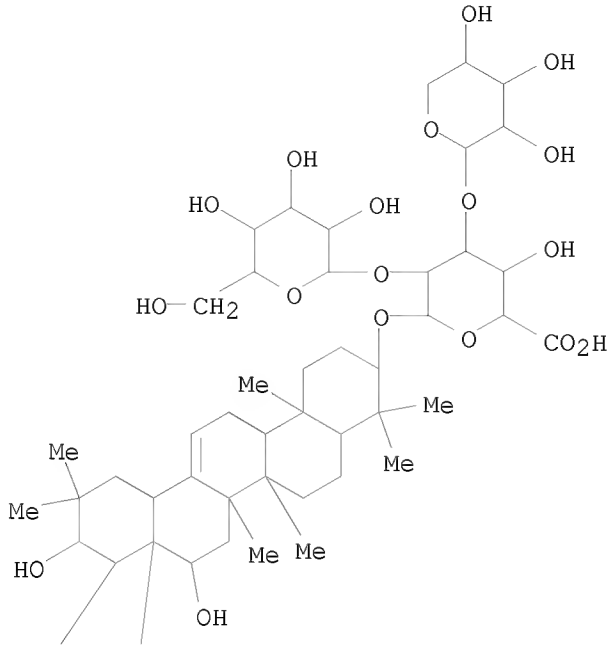
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Triterpenoid saponins from Berneuxia thibetica
AB Four triterpenoid saponins were isolated from Berneuxia thibetica. On the basis of chemical and spectroscopic evidence, three new saponins, berneuxia saponins A, B and C, were elucidated as 21-O-tigloylbarringtogenol C 3-O-{α-L-rhamnopyranosyl(1→2)-β-D-galactopyranosyl(1→3)[β-D-glucopyranosyl(1→2)-β-D-glucuronopyranoside]}, 28-O-tigloylbarringtogenol C 3-O-{α-L-rhamnopyranosyl(1→2)-β-D-galactopyranosyl(1→3)[β-D-glucopyranosyl(1→2)-β-D-glucuronopyranoside]}, and 16α-28-dihydroxyolean-12-en-21-one 3β-O-{α-L-rhamnopyranosyl(1→2)-β-D-galactopyranosyl(1→3)[β-D-glucopyranosyl(1→2)-β-D-glucuronopyranoside]}, resp. The fourth compound isolated was the known saponin, desacyljegosaponin.
AN 1998:549504 HCAPLUS <<LOGINID::20090603>>
DN 129:287800
OREF 129:58585a,58588a
TI Triterpenoid saponins from Berneuxia thibetica
AU Wang, Ming-Kui; Cai, Hong; Peng, Shu-Lin; Ding, Li-Sheng; Wu, Feng-E.; Cien, Yao-Zu
CS Laboratory of Natural Materia Medica, Chengdu Institute of Biology, Chinese Academy of Sciences, Chengdu, 610041, Peop. Rep. China
SO Phytochemistry (1998), 48(8), 1411-1414
CODEN: PYTCAS; ISSN: 0031-9422
PB Elsevier Science Ltd.
DT Journal
LA English
IT 214216-46-3P, 21-O-Tigloylbarringtogenol C 3-O-[β-D-glucopyranosyl (1→2)-β-D-glucuronopyranoside]
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(isolation and mol. structure of triterpenoid saponins from Berneuxia thibetica)
RN 214216-46-3 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-16,22,28-trihydroxy-21-[[(2E)-2-methyl-1-oxo-2-butenyl]oxy]olean-12-en-3-yl 2-O-β-D-glucopyranosyl- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Saponins from Hacquetia epipactis
AB Four new estersaponins were isolated from Hacquetia epipactis. Using GC-MS, FAB-MS and various 2D-NMR techniques they were identified as 3-O-{β-D-glucopyranosyl-(1→2)-[α-L-arabinopyranosyl-(1→3)]-β-D-glucuronopyranosyl-(1→)}-21-acetyl-22-(2-methylbutyryl)-barringtogenol C (hacquetiasaponin 1), the corresponding 21-(2-acetoxy-2-methylbutyryl)-22-acetyl-derivative (hacquetiasaponin 2), 3-O-{β-D-glucopyranosyl-(1→2)-[α-L-arabinopyranosyl-(1→3)]-β-D-glucuronopyranosyl-(1→)}-21-acetyl-22(2-methylbutyryl)-R1-barrigenol (hacquetiasaponin 3) and its corresponding 21-(2-acetoxy-2-methylbutyryl)-22-acetyl-derivative (hacquetiasaponin 4).
AN 1995:593765 HCAPLUS <<LOGINID::20090603>>
DN 123:79647
OREF 123:14107a,14110a
TI Saponins from Hacquetia epipactis
AU Burczyk, Jan; Reznicek, Gottfried; Baumgarten, Sabine; Hugh-Bloch, Martina; Jurenitsch, Johann; Schroder, Harald; Werz, Udo; Haslinger, Ernst
CS Katedra Zaklad Farmakognozji Fitochem., Slaska Akad. Medyczna, Sosnowiec, PL-41-200, Pol.

SO Phytochemistry (1995), 39(1), 195-8
CODEN: PYTCAS; ISSN: 0031-9422
PB Elsevier
DT Journal
LA English
IT 165198-42-5P, Hacquetiasaponin 1 165198-43-6P, Hacquetiasaponin 2
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(saponins from Hacquetia epipactis)
RN 165198-42-5 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-21-(acetyloxy)-16,28-dihydroxy-22-(2-methyl-1-oxobutoxy)olean-12-en-3-yl O-α-L-arabinopyranosyl-(1→3)-O-[β-D-glucopyranosyl-(1→2)]- (9CI) (CA INDEX NAME)

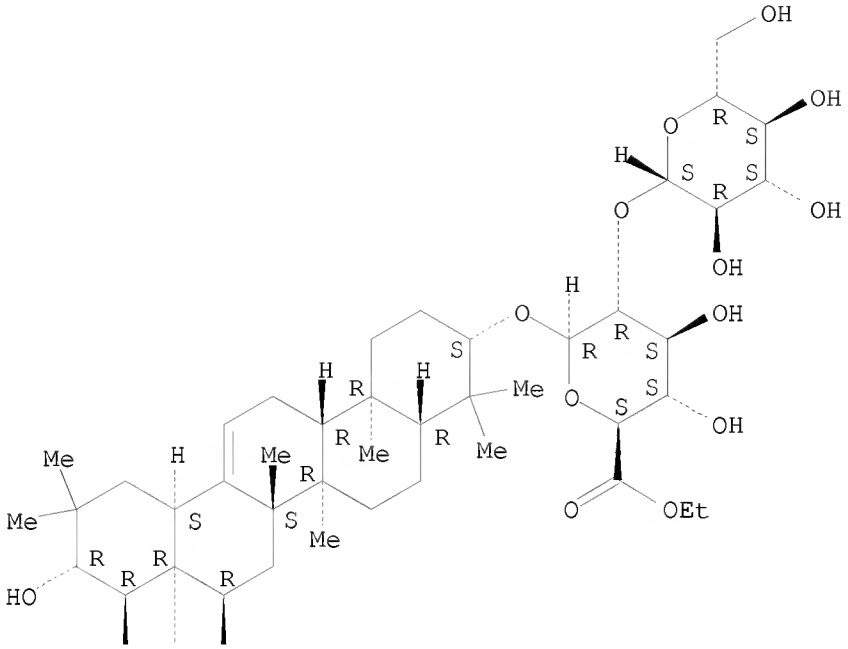
L4 ANSWER 9 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Saponins from Barringtonia acutangula
AB Three monodesmosidic glucuronide saponins of barringtogenol C, named barringtosides A, B and C have been isolated as their Me esters from the dried seeds of B. acutangula. On the basis of chemical and spectral evidence, the structures of these new saponins were elucidated to be as follows: barringtoside A, 3-O-β-D-xylopyranosyl(1 → 3)-[β-D-galactopyranosyl(→ 2)]-β-D-glucuronopyranosyl barringtogenol C; barringtoside B, 3-O-β-D-xylopyranosyl(1 → 3)-[β-D-galactopyranosyl(→ 2)]-β-D-glucuronopyranosyl-21-O-tigloyl-28-O-isobutyryl barringtogenol C; barringtoside C, 3-O-α-L-arabinopyranosyl(1 → 3)-[β-D-galactopyranosyl(1 → 2)]-β-D-glucuronopyranosyl barringtogenol C.
AN 1994:431097 HCAPLUS <<LOGINID::20090603>>
DN 121:31097
OREF 121:5669a,5672a
TI Saponins from Barringtonia acutangula
AU Pal, Bikas C.; Chaudhuri, Tirthankar; Yoshikawa, Kazuko; Arihara, Shigenobu
CS Indian Inst. Chem. Biol., Calcutta, 700 032, India
SO Phytochemistry (1994), 35(5), 1315-18
CODEN: PYTCAS; ISSN: 0031-9422
DT Journal
LA English
IT 155740-17-3, Barringtoside A 155740-18-4, Barringtoside B 155836-06-9, Barringtoside C
RL: BIOL (Biological study)
(from Barringtonia acutangula, isolation and structure of)
RN 155740-17-3 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-16,21,22,28-tetrahydroxyolean-12-en-3-yl O-β-D-galactopyranosyl-(1→2)-O-[β-D-xylopyranosyl-(1→3)]- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Saponin and sapogenol. X. Structures of jegosapogenin and desacyljegosaponin obtained from pericarps of Styrax japonica
GI For diagram(s), see printed CA Issue.
AB The structures of jegosapogenin obtained along with barringtogenol C and barringtogenol D by acid hydrolysis of the pericarps saponin of S japonica and of deacyljegosaponin, prepared by alkaline treatment of jegosaponin, were established as I and II on the basis of chemical and physiochem. evidence.
AN 1975:564392 HCAPLUS <<LOGINID::20090603>>
DN 83:164392
OREF 83:25807a,25810a
TI Saponin and sapogenol. X. Structures of jegosapogenin and desacyljegosaponin obtained from pericarps of Styrax japonica
AU Kitagawa, Isao; Imakura, Yasuhiro; Hayashi, Teruaki; Yosioka, Itiro
CS Fac. Pharm. Sci., Osaka Univ., Suita, Japan
SO Chemical & Pharmaceutical Bulletin (1975), 23(7), 1520-31
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
IT 53829-34-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 53829-34-8 HCAPLUS
CN β-D-Glucopyranosiduronic acid, (3β,16α,21β,22α)-16,21,22,28-tetrahydroxyolean-12-en-3-yl 2-O-β-D-glucopyranosyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

PAGE 1-A



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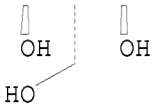

L4 ANSWER 11 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Structure of desacyl-jegosaponin, a common desacyl derivative of jegosaponin isolated from pericarps of Styrax japonica
GI For diagram(s), see printed CA Issue.
AB The terpene glycoside, deacyljegosaponin, has the structure I, based on chemical and spectral data.
AN 1974:536447 HCAPLUS <<LOGINID::20090603>>
DN 81:136447
OREF 81:21489a,21492a
TI Structure of desacyl-jegosaponin, a common desacyl derivative of jegosaponin isolated from pericarps of Styrax japonica
AU Kitagawa, Isao; Imakura, Yasuhiro; Hayashi, Teruaki; Yosioka, Itiro
CS Fac. Pharm. Sci., Osaka Univ., Toyonaka, Japan
SO Chemical & Pharmaceutical Bulletin (1974), 22(7), 1675-7
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
IT 53829-34-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 53829-34-8 HCAPLUS
CN β-D-Glucopyranosiduronic acid,

(3β,16α,21β,22α)-16,21,22,28-tetrahydroxyolean-12-en-3-yl 2-O-β-D-glucopyranosyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

PAGE 1-A